## EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 2344 | (210/748).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:48 |
| L2 | 1458 | (204/242).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:48 |
| L3 | 390 | (204/278.5).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:48 |
| L4 | 127941 | "210".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:48 |
| L5 | 4135 | 1 2 3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:48 |
| L6 | 685 | ion adj3 elution | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:49 |
| L7 | 1 | L6 and 5 | USPAT | OR | OFF | 2009/02/15 14:49 |
| L8 | 4 | L6 and 5 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:49 |
| L10 | 167 | ((generat$3 produc$4) adj2 ions) and 5 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:53 |
| L11 | 129683 | 1 2 3 4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:53 |
| L12 | 650 | ((generat$3 produc$4) adj2 ions) and 11 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:53 |
| L13 | 335 | 12 and (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:54 |
| L14 | 7 | 13 and (water adj3 ((input inflow upstream) same (outflow output downstream))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 14:55 |
| L15 | 283 | ((taper$3 narrow$3 thin $4) with (electrode anode cathode)) same (inflow intake upstream downstream) same (outflow out) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:02 |
| L16 | 9 | L15 and 11 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:02 |
| L17 | 295 | 11 and ((taper$3 narrow $3 decreas$3 thin$4) with (case casing tank container cell)) same (inflow intake upstream downstream) same (outflow out) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:18 |

| L18 | 21657 | ((generat$3 produc$4) adj2 ions) or 6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:18 |
|---|---|---|---|---|---|---|
| L19 | 2 | 17 and 18 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:18 |
| L21 | 309 | 11 and (((taper$3 narrow $3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:20 |
| L22 | 127941 | 4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:21 |
| L23 | 302 | 4 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:21 |
| L24 | 2 | 3 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:21 |
| L25 | 6 | 2 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:21 |
| L26 | 9 | 1 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:21 |
| L27 | 1 | 1 and 18 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:22 |
| L28 | 1 | 2 and 18 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:23 |
| L29 | 0 | 3 and 18 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:23 |
| L30 | 8 | 4 and 18 and (((taper$3 narrow$3 decreas$3) adj3 (case casing tank container cell)) same water) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:23 |
| L31 | 649 | (204/275.1).CCLS. | USPAT; USOCR | OR | OFF | 2009/02/15 15:37 |
| L32 | 839 | (204/275.1).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:37 |

| L33 | 30 | 32 and 18 | USPAT | OR | OFF | 2009/02/15 15:38 |
|---|---|---|---|---|---|---|
| L34 | 522 | 4 and (water adj3 ((input inflow upstream) same (outflow output downstream))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:45 |
| L35 | 3 | 34 and ((taper$3 narrow $3 decreas$3) adj3 (case casing tank container cell)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:45 |
| L36 | 53 | 34 and ((cross adj3 section $2) adj3 area) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:52 |
| L37 | 1 | 34 and (((cross adj3 section$2) adj3 area) adj3 (decreas$3 narrow$3 thin $4 taper$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 15:59 |
| L40 | 1 | 11 and (water adj3 ((input inflow upstream) same (outflow output downstream))) and (((cross adj3 section$2) adj3 area) adj3 (decreas $3 narrow$3 thin$4 taper $3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 16:03 |
| L43 | 1 | ("20060151316").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 16:13 |
| L45 | 0 | 11 and 18 and (((electrode anode cathde) adj3 terminal) same ((protrude penetrat$3) adj3 (case casing cell container tank))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:01 |
| L46 | 0 | 11 and (((electrode anode cathde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:01 |
| L47 | 7 | 18 and (((electrode anode cathde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:01 |
| L48 | 7 | 18 and (((electrode anode catohde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:01 |
| L49 | 0 | ("2001276484").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:03 |

| L50 | 52 | (((electrode anode cathde) adj3 terminal) same ((protrude penetrat$3) adj3 (case casing cell container tank))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:06 |
|-----|-----|-----|-----|-----|-----|-----|
| L51 | 4 | 18 and (((electrode anode catohde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank)) same (bottom lower downward $1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:09 |
| L52 | 12 | (((electrode anode catohde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank)) same (bottom lower downward $1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:09 |
| L53 | 0 | (((electrode anode catohde) adj3 terminal) same ((protrude penetrat $3) adj3 (case casing cell container tank)) adj3 (bottom lower downward $1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:10 |
| L54 | 0 | (((electrode anode cathode) adj3 terminal) adj3 ((protrude penetrat $3) adj3 (case casing cell container tank)) adj3 (bottom lower downward $1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:12 |
| L55 | 2 | ((electrode anode cathode) adj3 ((protrude penetrat$3) adj3 (case casing cell container tank)) adj3 (bottom lower downward$1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:12 |
| L56 | 472 | ((electrode anode cathode) with ((protrude penetrat$3) with (case casing cell container tank) with (bottom lower downward$1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:13 |
| L57 | 8 | 56 and 18 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:13 |

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|---|---|---|---|---|---|---|
| L58 | 814 | ((electrode anode cathode) same ((protrude penetrat$3) same (case casing cell container tank)) same (bottom lower downward$1) same terminal) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:17 |
| L59 | 15 | 18 and 58 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/15 17:17 |
| S1 | 685 | ion adj3 elution | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:47 |
| S2 | 36625 | electrode same terminal same (case casing tank container) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:47 |
| S3 | 12 | S1 and S2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:47 |
| S4 | 2 | ("3557579").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:49 |
| S5 | 1 | ("4941333").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:50 |
| S6 | 1 | ("3869382").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:54 |
| S7 | 1 | ("5345637").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:00 |
| S8 | 21913 | ((generat$3 produc$4) same ions same (voltage power) same electrode$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:09 |
| S9 | 1720 | S2 and S8 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:09 |
| S10 | 3545 | ((generat$3 produc$4) adj2 ions) same (voltage power) same electrode$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:10 |
| S12 | 233 | S10 and S2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:10 |
| S13 | 496 | electrode$1 adj3 terminal $1 adj3 (case casing tank container) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:11 |
| S14 | 1 | S10 and S13 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:11 |
| S15 | 5 | S1 and S12 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:26 |
| S16 | 666 | ion adj3 elution | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:33 |
| S17 | 299 | electrode$1 adj3 terminal $1 adj3 (case casing tank container) | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:33 |
| S18 | 1 | S16 and S17 | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:33 |

| S19 | 691 | ((generat$3 produc$4) adj2 ions) same (voltage power) same electrode$1 | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:33 |
| S20 | 0 | S19 and S17 | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:34 |
| S21 | 9568 | electrode$1 same terminal $1 same (case casing tank container) | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:34 |
| S22 | 8 | S19 and S21 | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/12 15:34 |
| S23 | 0 | ("2004218216").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 15:58 |
| S24 | 2 | ((("20050262644") or ("20060185403")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 16:53 |
| S25 | 0 | S1 and ((casing tank container) same (tapered narrow$3) same (inflow intake upstream downstream) same (outflow outtake out)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 16:58 |
| S26 | 6 | S1 and ((casing tank container) same (inflow intake upstream downstream) same (outflow outtake out)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 16:58 |
| S27 | 3610 | ((casing tank container) same (tapered narrow$3) same (inflow intake upstream downstream) same (outflow outtake out)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 16:59 |
| S28 | 90 | S27 same (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:00 |
| S29 | 33229 | wash$3 adj3 machine | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:07 |
| S30 | 36 | S27 and S29 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:07 |
| S31 | 71987 | "204".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:16 |
| S32 | 47764 | "205".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:16 |
| S33 | 103455 | S31 S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:16 |
| S34 | 90 | ((casing tank container) same (tapered narrow$3) same (inflow intake upstream downstream) same (outflow outtake out)) same (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:17 |

| S35 | 25 | S33 and S34 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:17 |
| S36 | 145988 | (taper$3 narrow$3 thin$4) with (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:54 |
| S37 | 15382 | D32.clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:56 |
| S38 | 1 | S36 and S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:56 |
| S39 | 90 | ((casing tank container) same (tapered narrow$3) same (inflow intake upstream downstream) same (outflow outtake out)) same (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:57 |
| S40 | 31 | S39 and S36 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:57 |
| S43 | 71987 | "204".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S44 | 47764 | "205".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S45 | 103455 | S43 S44 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S46 | 3 | S45 and S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S47 | 118834 | S45 or S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S48 | 11001 | S36 and S47 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:58 |
| S49 | 146459 | (taper$3 narrow$3 thin$4 slant) with (electrode anode cathode) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:59 |
| S50 | 11018 | S47 and S49 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 17:59 |
| S51 | 12 | S39 and S50 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 18:00 |
| S52 | 283 | ((taper$3 narrow$3 thin $4) with (electrode anode cathode)) same (inflow intake upstream downstream) same (outflow out) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 18:03 |
| S53 | 71 | S52 and S47 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 18:04 |